



Standards *Actions*

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will provide selected reviewers with copies for comment. The full text of this document is available on the Technical Standards Program Web Site at the URL shown at the bottom of this page. If you wish to comment on this document, please notify your TSM.

- *Radiological Safety Training for Radiation Producing Devices*, 6910-0057, (Peter O'Connell, EH-52, 301-903-5641, Peter.O'Connell@eh.doe.gov); comments due April 29, 1997.

DOE Documents Recently Published

The following DOE documents have recently been published:

- DOE-STD-3020-97, *Specification for HEPA Filters Used by DOE Contractors*, January 1997.
- DOE-HDBK-1200-97, *Guide to Good Practices for Developing Learning Objectives*, January 1997.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

The Technical Standards Program is sponsoring a project at OSTI to place *all* DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) on the Internet. To date, 114 DOE technical standards have been placed on the Internet at the address shown at the bottom of this page.

The following DOE technical standards have recently been placed on the Internet:

- DOE-NE-STD-1004-92, *Root Cause Analysis Guidance Document*, February 1992.

- DOE-STD-1107-97, *Knowledge, Skills, and Abilities for Key Radiation Protection Positions at DOE Facilities*, January 1997.
- DOE-STD-3020-97, *Specification for HEPA Filters used by DOE Contractors*, January 1997.

- DOE-HDBK-1200-97, *Guide to Good Practices for Developing Learning Objectives*, January 1997.

Proposed Cancellation of DOE Technical Standard

The following DOE technical standard has been proposed for cancellation:

- DOE-STD-1048-92, *Performance Indicators Guidance Document*, December 1992.

As reported by the Preparing Activity (EH-33), the need for this

document was obviated by the issuance of DOE O 210.1, *Performance Indicators and Analysis of Operations Information*, September 27, 1995. Comments on this action should be submitted to Richard Day, EH-33, 301-903-8371, Richard.Day@eh.doe.gov, by May 23, 1997.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may

Technical Standards Program Document Status as of 3/26/97

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	61	12	2

Total in  cess = 73



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be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- ANS 19.6.1, *Reload Startup Physics Tests for Pressurized Water Reactors* [revision of ANSI/ANS 19.6.1-1985 (R1992)]; comments due April 29, 1997.
- API RP 1110, *Pressure Testing of Liquid Petroleum Pipelines* (new standard); comments due May 13, 1997.
- API RP 1112, *Developing a Highway Emergency Response Plan for Incidents Involving Hazardous Materials* (new standard); comments due May 13, 1997.
- API RP 1117, *Movement of In-Service Pipelines* (new standard); comments due May 13, 1997.
- API RP 1123, *Development of Public Awareness Programs by Hazardous Liquid Pipeline Operators* (new standard); comments due May 13, 1997.
- API RP 1129, *Assurance of Hazardous Liquid Pipeline System Integrity* (new standard); comments due May 13, 1997.
- ASME B18.18.5M, *Inspection and Quality Assurance Plan Requiring In-Process Inspection and Controls* (new standard); comments due April 29, 1997.
- API RP 1631, *Interior Lining of Underground Storage Tanks* (new standard); comments due May 13, 1997.
- API RP 1633, *Handling Water Discharges from Automotive Service Facilities Located at Petroleum Marketing Operations* (new standard); comments due May 13, 1997.
- ASTM D 1796, *Test Method for Water and Sediment in Fuel Oils by the Centrifuge Method (Laboratory Procedure)* [revision of ANSI/ASTM D 1796-83 (R1990)]; comments due April 29, 1997.
- ASTM D 6046, *Classification of Hydraulic Fluids for Environmental Impact* (new standard); comments due April 29, 1997.
- ASTM E1261, *Guide for Selection and Calibration of Dosimetry Systems for Radiation Processing* (revision of ANSI/ASTM E 1261-96); comments due April 29, 1997.
- ISO Guide 64, *Guide for Inclusion of Environmental Aspects in Product Standards* (new standard); comments due May 13, 1997.
- NFPA 221-1997, *Standard for Fire Walls and Fire Barrier Walls* (revision of ANSI/NFPA 221-1994); comments due May 13, 1997.
- NFPA 1500-1997, *Standard on Fire Department Occupational Safety and Health Program* (revision of ANSI/NFPA 1500-1992); comments due May 13, 1997.
- NFPA 8501-1997, *Standard for Single Burner Boiler Operation* (revision of ANSI/NFPA 85A-1992); comments due May 13, 1997.
- NFPA 8503-1997, *Standard for Pulverized Fuel Systems* (revision of ANSI/NFPA 8503-1992); comments due May 13, 1997.
- UL 203, *Standard for Safety for Pipe Hanger Equipment for Fire Protection Services* (revision of ANSI/UL 203-1992); comments due April 29, 1997.

- UL 1072, *Standard for Safety for Medium-Voltage Power Cables* (revision of ANSI/UL 1072-1988; comments due May 13, 1997).
- UL 1449, *Standard for Safety for Transient Voltage Surge Suppressors* (new standard); comments due April 29, 1997.
- UL 1977, *Standard for Safety for Component Connectors for Use in Data, Signal, Control and Power Applications* (new standard); comments due May 13, 1997.

The following newly published American National Standards are available from ANSI:

- ANSI A10.15-1995, *Safety Requirements for Construction and Demolition Operations - Dredging*.
- ANSI Z245.60-1996, *Refuse Collection, Processing, and Disposal Equipment - Waste Containers - Compatibility Dimensions*.
- ANSI/ASME B30.9-1996, *Slings* (includes revision service).
- ANSI/ISO 14010-1996, *Guidelines for Environmental Auditing - General Principles*.
- ANSI/ISO 14011-1996, *Guidelines for Environmental Auditing - Audit Procedures - Auditing of Environmental Management Systems*.
- ANSI/ISO 14012-1996, *Guidelines for Environmental Auditing - Qualification Criteria for Environmental Auditors*.

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 3-6: 1995/prA1, *Portable fire extinguishers - Part 6: Provisions for the attestation of conformity of portable fire extinguishers in accordance with EN 3 part 1 to part 5* - June 23, 1997.
- ISO/DIS 589, *Hard coal - Determination of total moisture* (revision of ISO 589: 1981) - May 13, 1997.
- ISO/DIS 9241-16, *Ergonomic requirements for office work with visual display terminals (VDTs) - Part 16: Direct-manipulation dialogues* - April 30, 1997.
- ISO/DIS 12794-1, *Individual thermoluminescence dosimeters - Part 1: Thermoluminescence dosimeters for extremities and eyes* - May 20, 1997.
- prEN ISO 9000-3, *REVIEW, Quality management and quality assurance standards - Part 3: Guidelines for the application of ISO 9001: 1994 to the development, supply, installation and maintenance of computer software* (ISO/DIS 9000-3: 1996) - April 12, 1997.
- prEN 1279-6, *Glass in building - Insulating glass units - Part 6: Factory production control and audit tests* - June 9, 1997.
- prEN 1364-4, *Fire resistance tests on non-loadbearing elements - Part 4: Curtain walling* - June 23, 1997.
- prEN 1495, *Lifting platforms - Mast climbing work platforms* (for information).
- prEN 1868, *Personal protective equipment against falls from a height - List of equivalent terms* (for information).
- prEN 196-8, *Methods of testing cement - Part 8: Determination of heat of hydration - Solution method* - July 6, 1997.
- prEN 1097-6, *Tests for mechanical and physical properties of aggregates - Part 6: Determination of particle density and water absorption* - July 6, 1997.

- prEN 1474, *Installation and equipment for liquefied natural gas - Design and testing of loading/unloading arms* (for information).
- prEN 12195-3, *Load restraint assemblies - Safety - Part 3: Lashing chains* - June 16, 1997.
- prEN 12732, *Gas supply systems - Welding steel pipework - Functional requirements* - June 1, 1997.
- prEN 50179: 1996, *Power installations exceeding 1 kV a.c.* - May 13, 1997.
- prEN 50216-1, *Power transformer and reactor fittings - Part 1: General* - June 4, 1997.
- prEN 50276, *Gaseous emissions produced by traction batteries - Ventilation and general safety requirements for closed charging areas* - June 4, 1997.

The following newly published international standards are available from ANSI:

- ISO 1757: 1996, *Personal photographic dosimeters*.
- ISO 7296-1: 1991/Amd. 1: 1996, *Cranes - Graphic symbols - Part 1: General - Amendment 1*.
- ISO 10302: 1996, *Acoustics - Method for the measurement of airborne noise emitted by small air-moving devices*.
- ISO 11885: 1996, *Water quality - Determination of 33 elements by inductively coupled plasma atomic emission spectroscopy*.
- ISO 11932: 1996, *Activity measurements of solid materials considered for recycling, re-use, or disposal as non-radioactive waste*.
- ISO 13443: 1996, *Natural gas - Standard reference conditions*.
- ISO 13854: 1996, *Safety of machinery - Minimum gaps to avoid crushing of parts of the human body*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). ASTM has developed a World Wide Web home page, <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:
(the due date for all items is April 10, 1997).

- New Standard, *Specification for Folded/Formed Poly (Vinyl Chloride) (PVC) Type 1 for Existing Sewer and Conduit Rehabilitation* (ref. Z5245Z).
- New Standard, *Test Method for Stability of Insulating Oils of Petroleum Origin Under Electrical Discharge* (Ref. Z5250Z).

- New Standard, *Test Method for Measuring Edge Taper and Crown of Flat Rolled Electrical Steel Coils* (Ref. Z5412Z).
- New Standard, *Terminology Relating to Aluminum- and Magnesium-Alloy Products* (Ref. Z5571Z).
- New Standard, *Practice for Conducting the Washer Test for Atmospheric Galvanic Corrosion* (Ref. Z6154Z).
- New Standard, *Practice for the Use of Terms Relating to the Development and Evaluation of Methods for Chemical Analysis* (Ref. Z6519Z).
- New Standard, *Test Method for Dynamic Young's Modulus, Shear Modulus, and Poisson's Ratio by Sonic Resonance* (Ref. Z6611Z).
- New Standard, *Test Method for Comparing EMF Stability of Single-Element Base-Metal Thermocouple Materials in Air* [Formerly E 601-81 (1987)].
- New Standard, *Test Method for Density (Specific Gravity) of Solid Pitch (Pycnometer Method)*.
- B 351-92, (Includes change in designation number), *Specification for Hot-Rolled and Cold-Finished Zirconium and Zirconium Alloy Bars, Rod, and Wire for Nuclear Application* (revised standard).
- B 811-90, *Specification for Wrought Zirconium Alloy Seamless Tubes for Nuclear Reactor Fuel Cladding* (revised standard).
- C 11-97, *Terminology Relating to Gypsum and Related Building Materials and Systems* (revised standard).
- C 162-96a, *Terminology of Glass and Glass Products* (revised standard).
- D 121-95, *Terminology of Coal and Coke* (revised standard).
- D 323-94, *Test Method for Vapor Pressure of Petroleum Products (Reid Method)* (revised standard).
- D 388-95, *Classification of Coals by Rank* (revised standard).
- D 5930, *Test Method for Thermal Conductivity of Plastics by Means of a Transient Line-Source Technique* (new standard).
- E 1171-93, (Includes change in designation number), *Test Method for Photovoltaic Modules in Cyclic Temperature and Humidity Environments* (revised standard).
- G 40-96, *Terminology Relating to Wear and Erosion* (revised standard).

The following newly published standards are available from ASTM:

- B 171M-96, *Specification for Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers and Heat Exchangers [Metric]* (revised standard).
- B 876-96, *Specification for Borated Dispersion Strengthened Copper Plate, Sheet, Strip, and Rolled Bar for Nuclear Application* (new standard).
- C 781-96, *Practice for Testing Graphite and Boronated Graphite Components for High-Temperature Gas-Cooled Nuclear Reactors* (revised standard).
- D 710-96, *Specification for Vulcanized Fibre Sheets, Rods, and Tubes Used for Electrical Insulation* (revised standard).
- D 5843-95, *Guide for Application of Fully Adhered Vulcanized Rubber Sheets Used in Waterproofing* (new standard).

- D 5987-96, *Test Method for Total Fluorine in Coal and Coke by the Pyrohydrolytic Extraction and the Ion Selective Electrode or Ion Chromatograph Methods* (new standard).
- D 5988-96, *Test Method for Determining the Aerobic Biodegradation in Soil of Plastic Materials or Residual Plastic Materials After Composting* (new standard).
- E 943-96, *Terminology Relating to Biological Effects and Environmental Fate* (revised standard).
- E 1830M-96, *Test Methods for Determining the Mechanical Integrity of Photovoltaic Modules [Metric]* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers

Office: 345 East 47th Street, MS-13D
New York, NY 10017

Contact: George Osolsobe

- ASME PTC 12.5, *Single Phase Heat Exchangers* (new standard).

Industrial Safety Equipment Association

Office: 1901 North Moore Street, Suite 808
Arlington, 22209

Contact: Cristine Z. Fargo

- ISEA 104, *Air Sampling Devices - Diffusive Monitors/Samplers for Toxic Gases and Vapors in Working Environments* (new standard).

Underwriters Laboratories, Inc.

Office: 1285 Walt Whitman Road
Melville, NY 11747-3081

Contact: Helen Kecham

- UL 1008, *Standard for Safety for Transfer Switch Equipment* (revision of ANSI/UL 1008-1988).

Comments or Questions

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), phone 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov. Questions or comments may also be referred to Don Spellman, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065, phone 423-574-7891, FAX 423-574-0382, Email spellmandj@ornl.gov.

The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.



Standards *Actions*

United States Department of Energy

Office of Scientific and Technical Information

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